

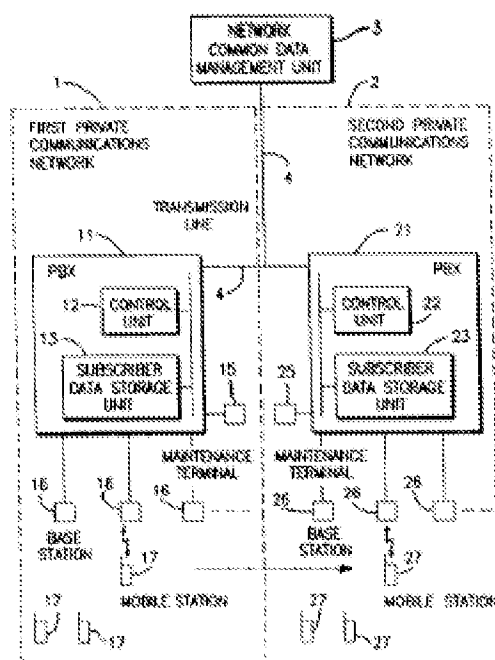
## Canadian Patents Database

(12) **Patent:**(11) **CA 2153859**

(54) PRIVATE COMMUNICATIONS NETWORK SYSTEM AND METHOD OF AUTHENTICATION FOR A MOBILE STATION USED IN PRIVATE COMMUNICATIONS NETWORKS

(54) RESEAU DE COMMUNICATION PRIVE ET METHODE D'AUTHENTIFICATION DE STATIONS MOBILES CONNEXE

Representative Drawing:



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## ABSTRACT

A private communications network system allows a mobile station to be used in a different private communications network than that in which it is registered, by a method of authenticating the mobile station outside of its home private communication network. When a mobile station 17 requests location registration in a private communications network 2 in which the mobile station 17 is not registered, a control unit 22 of a PBX 21 in the private communications network 2 requests a network common data management unit 3 to send group data which is used to identify a private communications network 1 in which the mobile station 17 is registered. Control unit 22 then requests a PBX 11 in a private communications network 1 to send subscriber data 33 of the mobile station 17. The mobile station 17 is authenticated in the private communications network 2 by the subscriber data 33 sent from its home private communications network 1, whereafter the mobile station 17 can make calls from or can receive incoming calls in the private communications network 2. Billing data

for calls the mobile station has made in the private communications network 2 is transferred and stored in the home network common data management unit 3 on a group basis.

# CLAIMS [Show all claims](#)

\*\*\* Note: Data on abstracts and claims is shown in the official language in which it was submitted.

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(72) [Inventors:](#) (Country) **OTSUKA, KIYOKAZU** (Japan)  
 (73) [Owners:](#) (Country) **NEC INFRONTIA CORPORATION** (Japan)  
 (71) [Applicants:](#) (Country)  
 (74) [Agent:](#) **SMART & BIGGAR**  
 (45) [Issued:](#) **1999-11-09**  
 (22) [Filed:](#) **1995-07-13**  
 (41) [Open to Public Inspection:](#) **1996-01-14**  
       [Examination requested:](#) **1995-07-13**  
 (51) [International Class \(IPC\):](#) **H04Q 7/26** (2006.01)  
       **H04M 7/00** (2006.01)  
       **H04Q 7/38** (2006.01)

[Patent Cooperation Treaty \(PCT\):](#) **No**

## (30) [Application priority data:](#)

<b>Application No.</b>	<b>Country</b>	<b>Date</b>
160872/1994	Japan	1994-07-13

[Availability of licence:](#) **N/A**

[Language of filing:](#) **English**